## NRL CODE 1008.2 PATENTS RECEIVED CENTRAL FAX CENTER

NOV 0 9 2004

## U.S. NAVAL RESBARCH LABORATORY ASSOCIATE COUNSEL INTELLECTUAL PROPERTY, CODE 1008.2

4555 OVERLOOK AVE., SW WASHINGTON, DC 20375-5325

FACSIMILE TRANSMITTAL SHEET								
TO: U.S. Patent and Trademark	PROM: Office Amy L. Ressing							
COMPANY:	DATE:							
MAIL STOP AMENDME								
FAX NUMBER: (703) 872-9306	TOTAL NO. OP PAGES INCLUDING COVER: 7							
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:							
202-404-1558	10/046,295  YOUR REFERENCE NUMBER:							
Amendment	NC 83,068							
URGENT   FOR REVIEW	☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE							
NOTES/COMMENTS:								
Please find enclosed:	·							
Amendment (4 pages)	•							
Fee transmittal sheet (	l page)							
Transmittal sheet (1 pa	ge)							
,								
	Certificate of Fax Transmission:							
I hereby certify that this paper is be below:	ing facsimile transmitted to the U.S. Patent and Trademark Office on the date							
Name: Amy L. Ressing Pessing Signature: Linuy Ressi	Date: November 9, 2004 Registration No.: 45,814							
information is intended only for the intended recipient, you are hereby	acsimile may be client confidential, and may also be attorney privileged. The use of the individual or entity to whom it is addressed. If you are not the notified that any use, distribution, or copying of this transmission is prohibited. error, please notify us immediately by telephone for instructions. Thank you.							

## NRL CODE 1008.2 PATENTS RECEIVED CENTRAL FAX CENTER

NOV 0 9 2004

PTO/SB/21 (02-04)

Hadas the Bearing's Po	duction Act of 1995, no name	U.S	Detect and Trad	amore Officer	U.S. DE	n 07/31/2006. OMB 0651-0031 PARTMENT OF COMMERCE Is a valid OMB control number.
Diffeet the Paper RDIX No.	<u> </u>	ons are required to respond to a collection of information used in the second to a collection of information used in the second		95		
TRANS	VITTAL			2		
FOI	RM	First Named Inventor				
(to be used for all correspondence after Initial filing)		Art Unit				
		Examiner Name Bos, Steven		ven		
Total Number of Pages in 1	This Submission (4	Attorney Docket Number	NC 83068	8		
	ENC	LOSURES (Check a	il that apply)			
Extension of Time Express Abandonn Information Disclos Certified Copy of P Document(s) Response to Missi Incomplete Applics Response	declaration(s) Request ment Request sure Statement Priority VIA FA	Drawing(s)  Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revoca Change of Correspondence Terminal Disclaimer Request for Refund CD, Number of CD(s)  arks  ACSIMILE TO: (703) 872-93	Address [	Appe of Ag Appe (App Prop	echnolo eal Con ppeals i eal Con eal Noti prietary us Lette	sure(s) (please
	SIGNATURE	OF APPLICANT, ATT	ORNEY OF	AGENT		
Fim ·	OIGIATIONE				•	
or Individual name		263	184			
Signature	my & Resse	19 CUSTOMER	NUMBER			
Date III-	9-04	9				
	CERTIF	CATE OF TRANSMIS	SION/MAIL	ING		
	errespondence is being fac	simile transmitted to the US addressed to: Commissioner	PTO or deposite	ed with the I		
Typed or printed name	Amy L. Ressing					
Signature	anyon	Ressing			Date	11-9-2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidenciality is governed by 3.5 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including cathering, preparing, and submitting the completed supplication form to the USPTO. Time will vary desperding upon the individual cases, any comments on the amount of time you require to complete this form anxion suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patients, P.O. Box 1450, Alexandria, VA 22313-1450.

if you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/17 (01-03)
Approved for use through 04/30/2003. OMB 0551-0032
U.S. Petent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
a collection of information unless it displays a valid OMB control or unless.

		Complete if Known						
FEE TRANSMITTA	L ⊢							
<del>-</del>			10/046,295					
for FY 2004	Filing Date			1/1/6/2002				
Effective 0110112003. Patent fees are subject to annual revision.	First Named Inventor		Lyons, et al					
	Examiner Name		Bos, Steven					
Applicant claims small entity status. See 37 CFR 1.27	Art Unit			1754				
TOTAL AMOUNT OF PAYMENT (\$) 110		Attorney Docket No. NC 83068						
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)							
Check Credit card Money Other None	3. ADDITIONAL FEES Large Entity   Small Entity							
Deposit Account:	Fee F							
Deposit	Code (		Code (\$)				Fee Paid	
Account Number 50-0281	1051 1		2051 65 Surcharge - late filing fee or oath					
Deposit Account	1052	50 2052 2	2052 25 Surcharge - late provisional filing fee or cover sheet			ng fee or		
Name The Commissioner is authorized to: (check all that apply)	1053 1		1053 130 Non-English specification					
Charge fee(s) indicated bolow Credit any overpayments	1812 2,			-		neaxemination		
Charge any additional fee(s) during the pendency of this application	1804	320° 1804 9	20° Requi	esting public miner action	ation of SIR	prior to		
tharge fee(s) indicated below, except for the filling fee to the above-identified deposit account.	1805 1,	840* 1805 1	_					
FEE CALCULATION	1251	110 2251	2251 55 Extension for reply within first month					
1. BASIC FILING FEE	1252	420 2252	2252 205 Extension for reply within second month				110	
Large Entity Small Entity	1253		65 Exten	sion for rapi	y within thin	d month	-	
Fee Fee   Fee Fee Description   Fee Paid Code (\$)   Code (\$)	1254 1				y within four			
1001 770 2001 375 Utility filing fee	1256 2		985 Exten	sion for repl	y within fifth	month		
1002 340 2002 165 Design filing fee	1401			e of Appea		1 4		
1003 530 2003 260 Plant filing fee	1402		-		apport of an	appeal .		
1004 770   2004 375   Reissue filing fee	1403			est for oral	_			
-1005 160 2005 80 Provisional filing fee	1451 1 1452							
SUBTOTAL (1) (\$) 0	1453 1							
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501 1	,000						
Fee from Extra Claims below Fee Paid				gn issue fe	-			
Total Claims20- = X	1503	840 2503					1	
Independent - 3- = X	1460	130 1460	1460 130 Petitions to the Commissioner					
Multiple Dependent	1807	50 180	1807 50 Processing fee under 37 CFR 1.17(q)					
Large Entity   Small Entity Fee Fee   Fee Fee Fee Description	1806	180 1806	180 Subr	nission of In	formation Di	sclosure Stml	<u> </u>	
Code (\$) Code (\$)	8021	40 802	8021 40 Recording each patent assignment per property (times number of properties)					
1202 18 2202 9 Claims in excess of 20 1201 86 2201 42 Independent claims in excess of 3	1809							
1203 290 2203 140 Multiple dependent claim, if not paid			2810 375 For each additional invention to be					
1204 86 2204 42 Reitssue Independent claims over original patent		770 2801	examined (37 CFR 1.129(b)) 70 2901 375 Request for Continued Examination (RCE)					
1205 18 2205 9 Relissus claims in excess of 20 and over original patent		2 900 1802 900 Request for expedited examination of a design application						
	Other f	Other fee (specify)						
SUBTOTAL (2) (\$) 0 • "or number previously paid, if greater; For Reissues, see above		ced by Basic I	iling Fee F	Pald S	UBTOTAL	(3) (\$) 110		
SUBMITTED BY (Complete (if applicable)								
Name (PrintType) Amy L. Ressing		egistration No. HomevMaenti	45,814		Telephone	202-404-155	8	
Signature any x Ressin a					Date	11-9-2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The Information is required to both or retain a benefit by the public which is to file (and by the USPTO to process) en application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gethering, perspecting, and submitting the completed application form to the USPTO. Time will vary depending upon the individual scase. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Tomoreas, U.S. Department of Commences, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.